

FIG. 1A
(PRIOR ART)

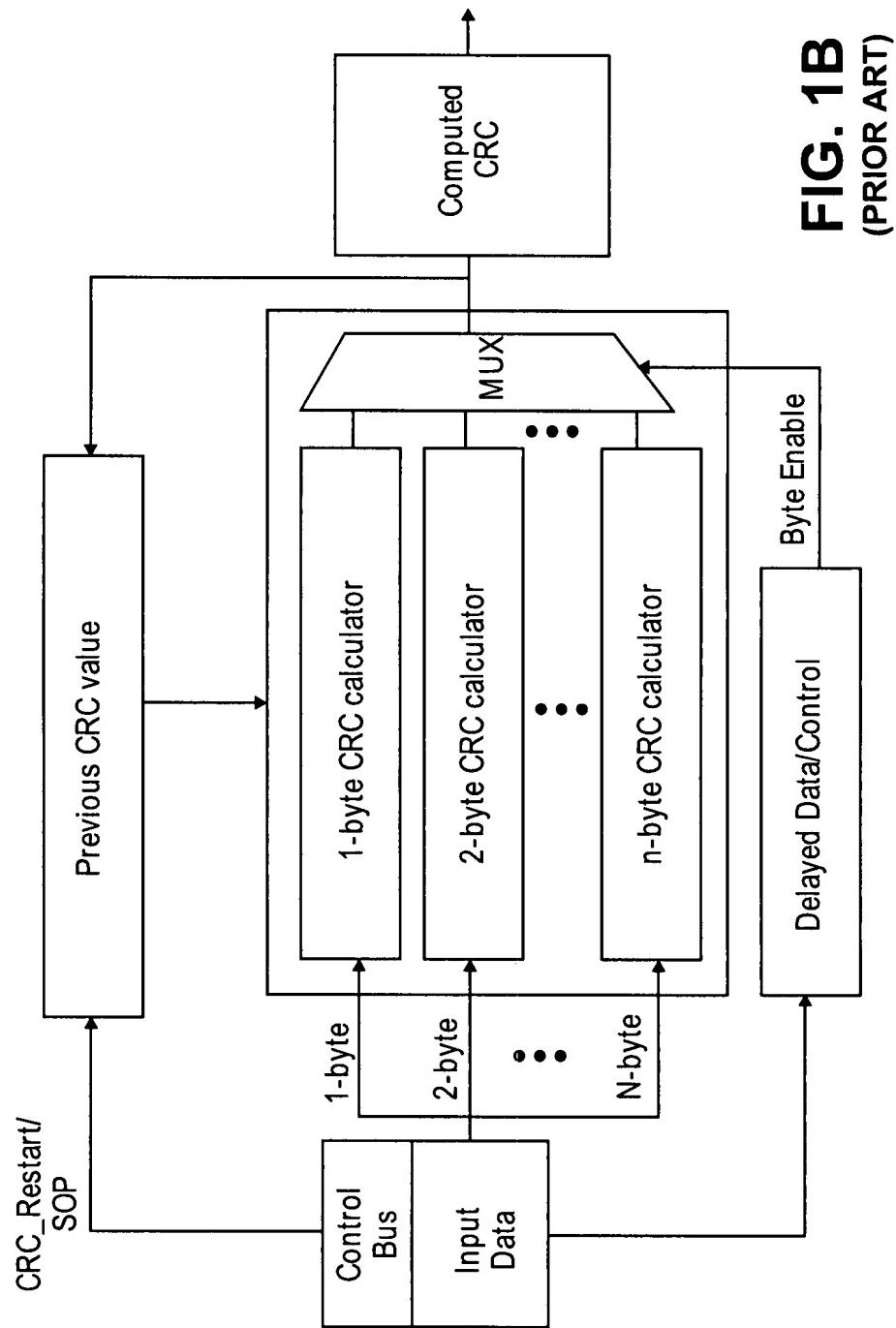


FIG. 1B
(PRIOR ART)

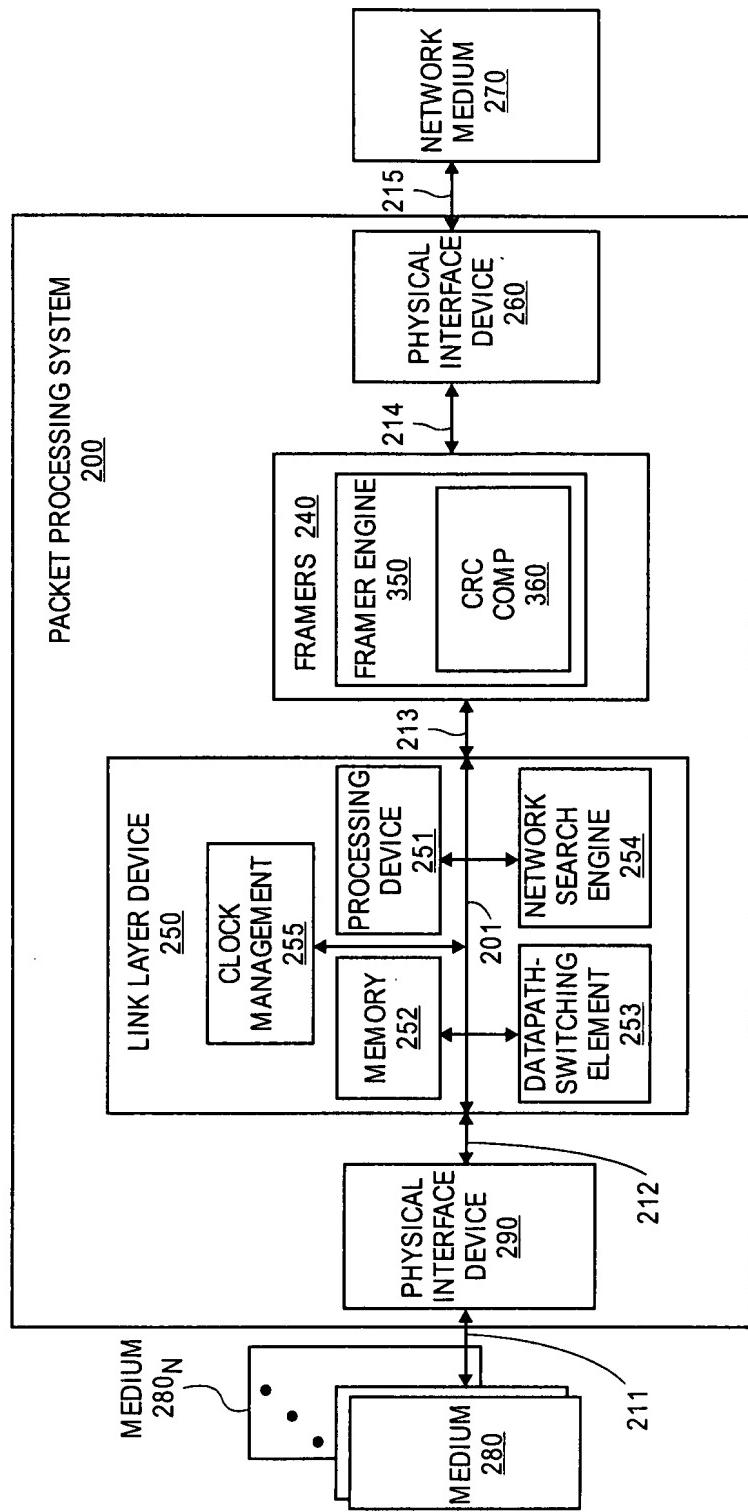


FIG. 2

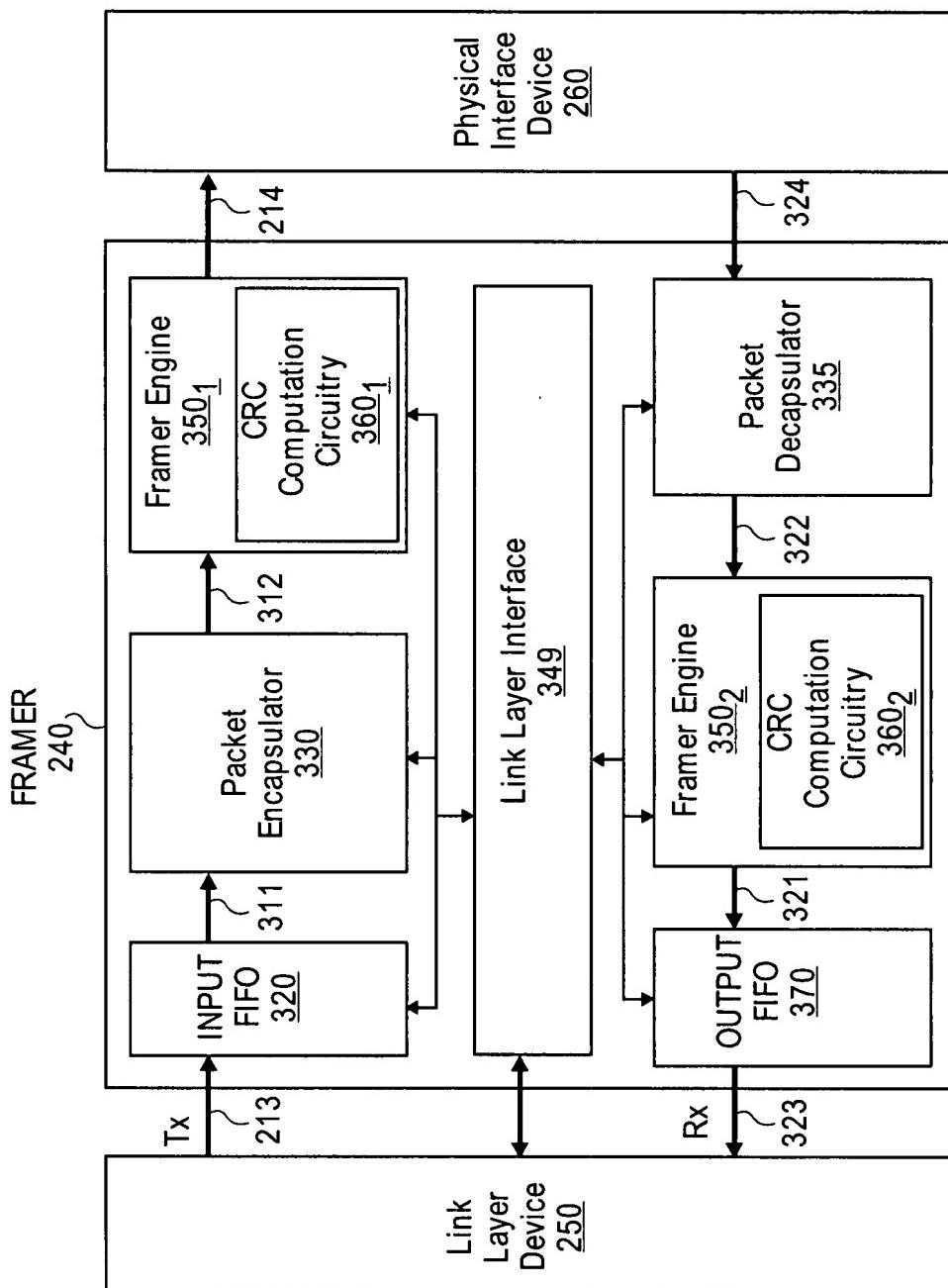


FIG. 3

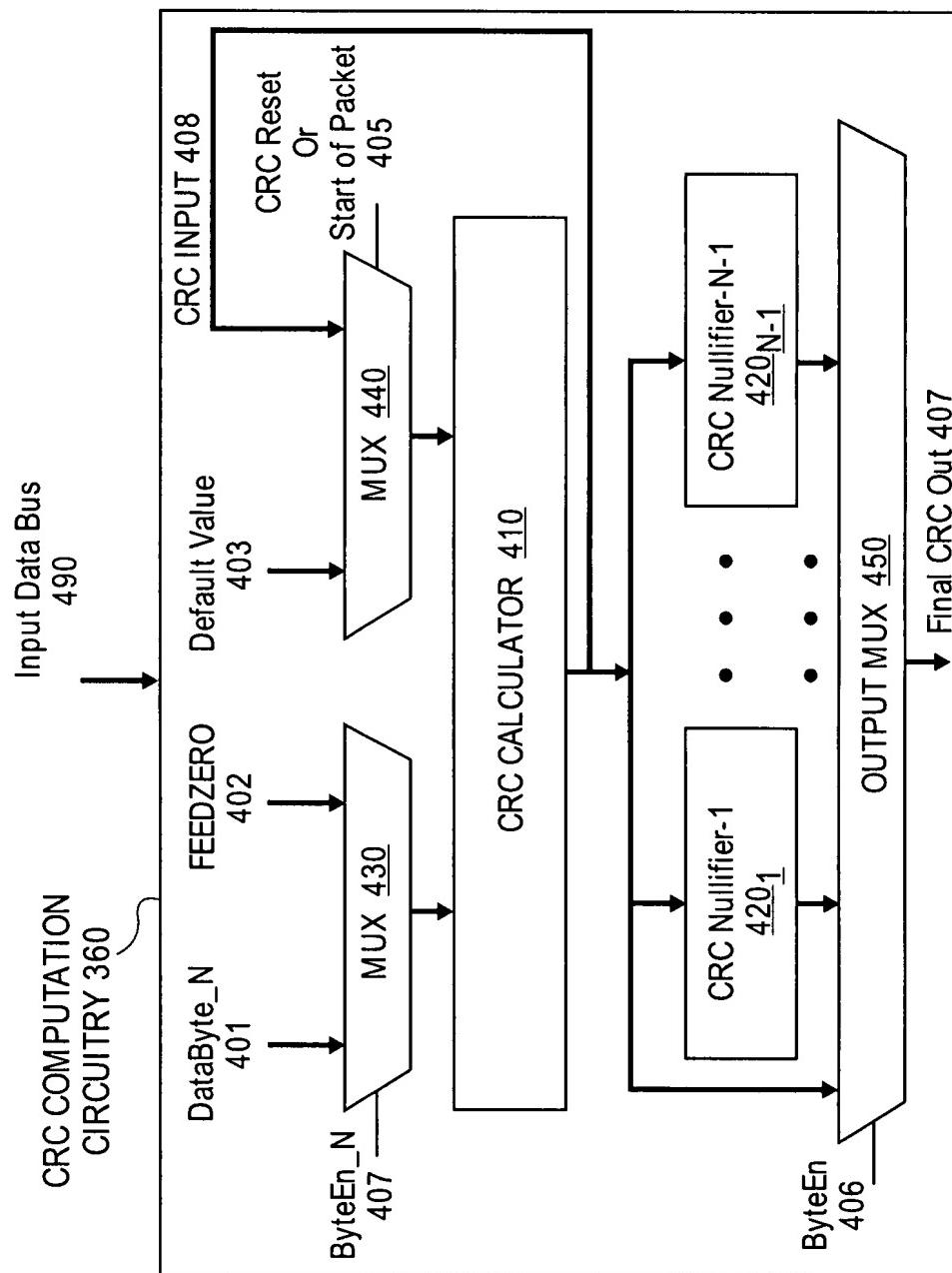


FIG. 4

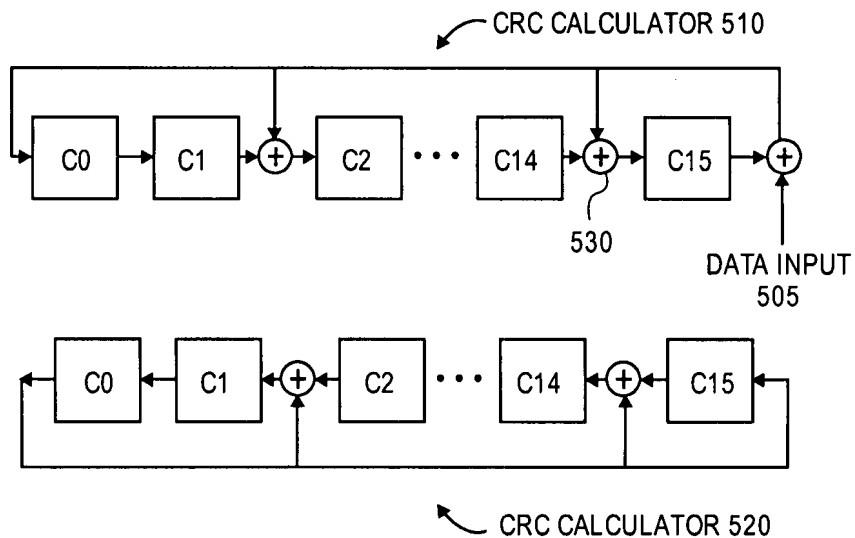


FIG. 5

Bus Width	CRC Calculator # of XOR Gates	CRC Nullifier # of XOR Gates
128	2496	512
64	1376	576
56	1280	544
48	1056	448
40	928	512
32	800	384

FIG. 6A

Bus Width	Architecture of Fig. 1B # of XOR Gates	Architecture of Fig. 4 # of XOR Gates
128	22,819	9,784
64	6,830	3,996
32	2,128	1,586

FIG. 6B

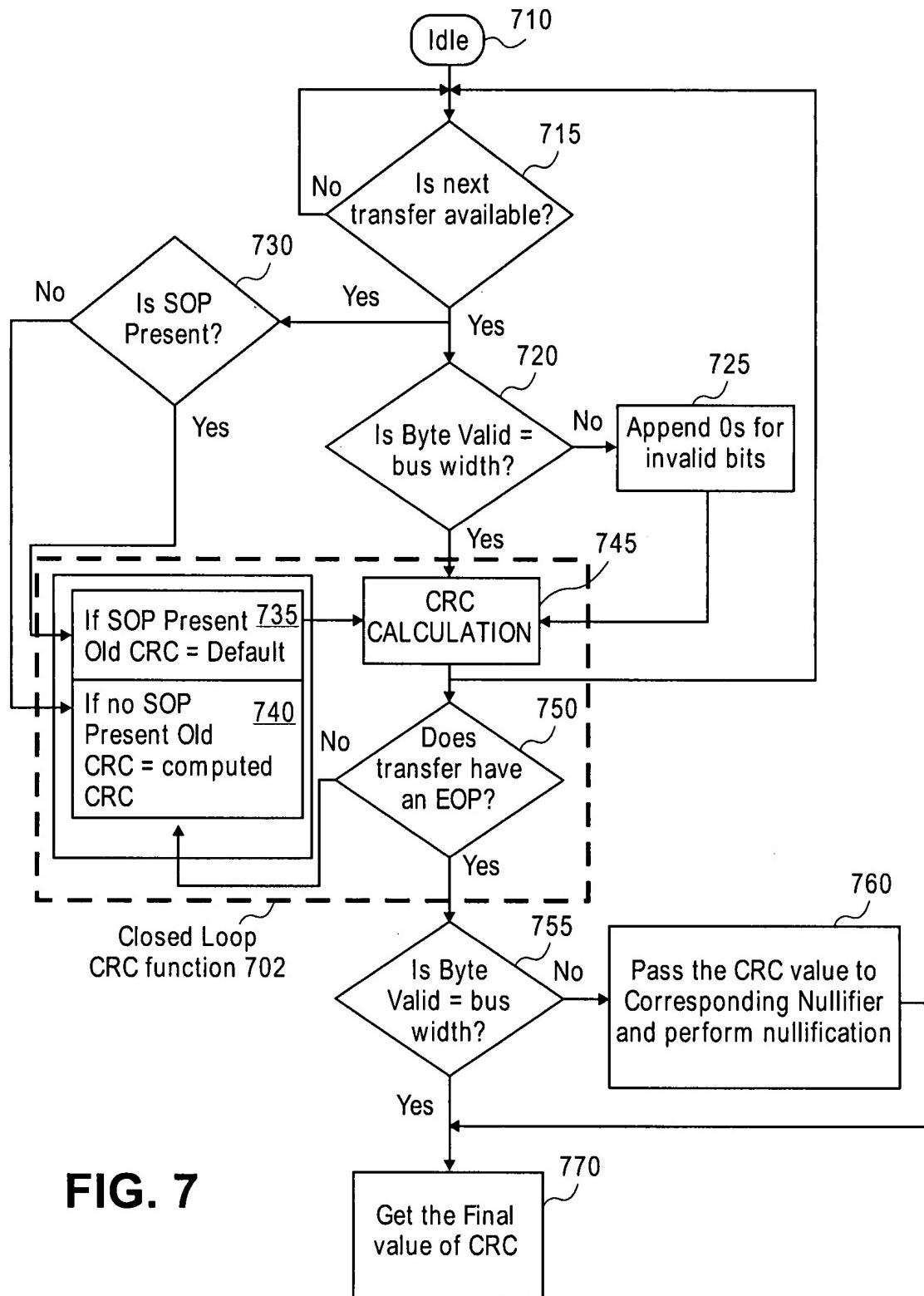


FIG. 7